What is claimed is:

- 1. A method for quantifying asymmetry of body positions during a movement, comprising: synchronizing one or more sets of data, wherein each set of data comprises two subsets of data, wherein one subset of data comprises body position representations on a left side of a body and one subset of data comprises body position representations on a right side of the body, and wherein each subset of data comprises body position representations spanning the movement; and calculating a value based on the one or more synchronized sets of data.
- 2. The method of claim 1 wherein the body positions are angles of joints.
- 3. The method of claim 1 wherein the body positions are angles of corresponding joints.
- 4. The method of claim 1 wherein the movement comprises one or more cycles.
- 5. The method of claim 1 further comprising creating a figure by graphing the body position representations in the synchronized set of data.
- 6. The method of claim 5 wherein the figure is a cyclogram.
- 7. The method of claim 6 wherein the calculated value is an area of the cyclogram.
- 8. The method of claim 6 wherein the calculated value is an orientation of the cyclogram.
- 9. The method of claim 6 wherein the calculated value is a minimum moment magnitude of the cyclogram.
- 10. The method of claim 1 further comprising comparing the calculated value to a corresponding calculated value of a perfectly symmetrical movement or a baseline movement.
- 11. The method of claim 1 wherein synchronizing a set of data comprises associating a body position representation in one subset of data with a body position representation in another subset of data such that associated body position representations each refer to a corresponding event in the movement.

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12. A method for quantifying asymmetry of joint angles during a cycle of movement, comprising:

obtaining a set of data entries, wherein a data entry consists of one or more pairs of angle measurements, a pair comprising one angle measurement for a left joint and one angle measurement for a corresponding right joint at a same point in time, and wherein the set comprises data entries spanning the cycle of movement;

synchronizing the set of data entries;
generating a cyclogram;
calculating a characteristic of the generated cyclogram; and
comparing the characteristic to a corresponding characteristic of a cyclogram
representing a perfectly symmetrical gait.

- 13. A system for quantifying asymmetry of body positions during a movement, comprising:
 a synchronizing module that synchronizes one or more sets of data, wherein each set
 of data comprises two subsets of data, wherein one subset of data comprises
 body position representations on a left side of a body and one subset of data
 comprises body position representations on a right side of the body, and
 wherein each subset of data comprises body position representations spanning
 the movement; and
 - a calculating module that calculates a value based on the one or more synchronized sets of data.
- 14. A computer program product for quantifying asymmetry of body positions during a movement, including a computer readable medium, which comprises instructions to perform the following:
 - synchronizing one or more sets of data, wherein each set of data comprises two subsets of data, wherein one subset of data comprises body position representations on a left side of a body and one subset of data comprises body position representations on a right side of the body, and wherein each subset of data comprises body position representations spanning the movement; and calculating a value based on the one or more synchronized sets of data.